



# Indiana State Department of Health

## WEEKLY INFLUENZA REPORT

*Data as of Wednesday, January 12, 2011*

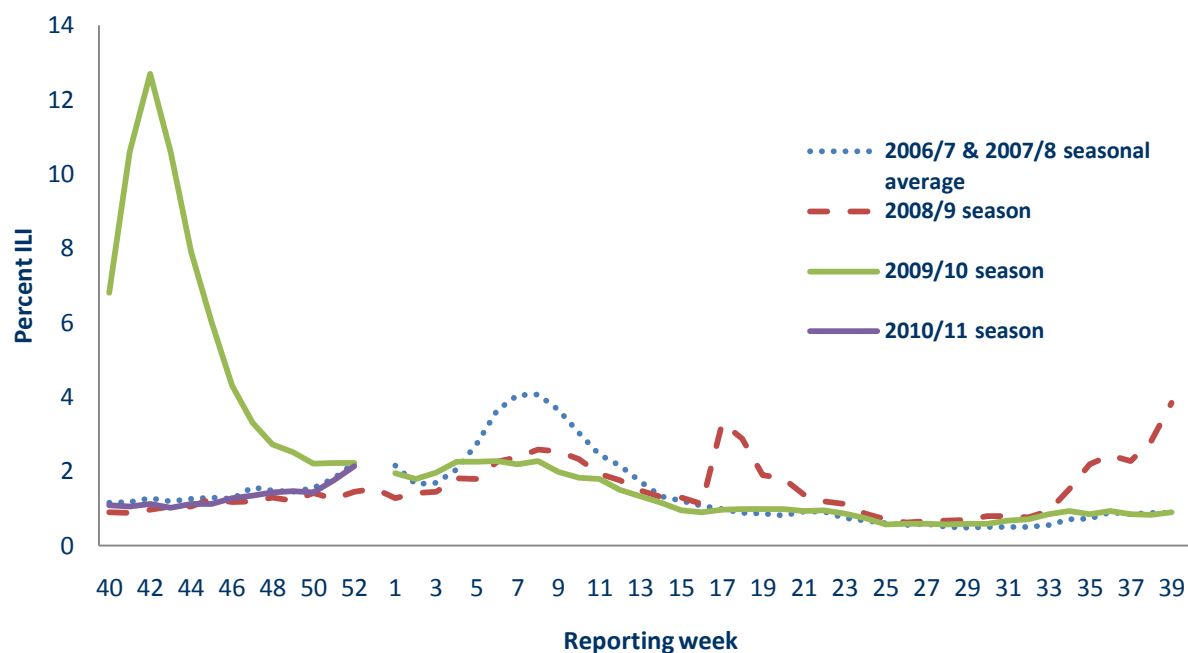
The following report is meant to provide local health departments, hospital administrators, health professionals and residents with a general understanding of the burden of influenza-like illness (ILI). Data from several surveillance programs were utilized to produce this report. Currently, all influenza viruses circulating are not a, “novel” or new virus to humans. Should any changes occur, then enhanced surveillance methods will be implemented and incorporated into this report.

For further information about the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

### Key Points:

- The current percentage of ILI reported by the emergency department surveillance (ED) system (1.9%).
- The percentage of ILI reported by the influenza sentinel surveillance system (1.91%).
- Data for week 01 was collected from January 02, 2011-January 8, 2011
- During week 01, 83.3% (10/12) of submitted specimens were positive for influenza. .
- During week 01, 0 Indiana schools (K-12) reported that their absenteeism rate was 20% or higher.
- During week 01, there were no reported influenza associated deaths.

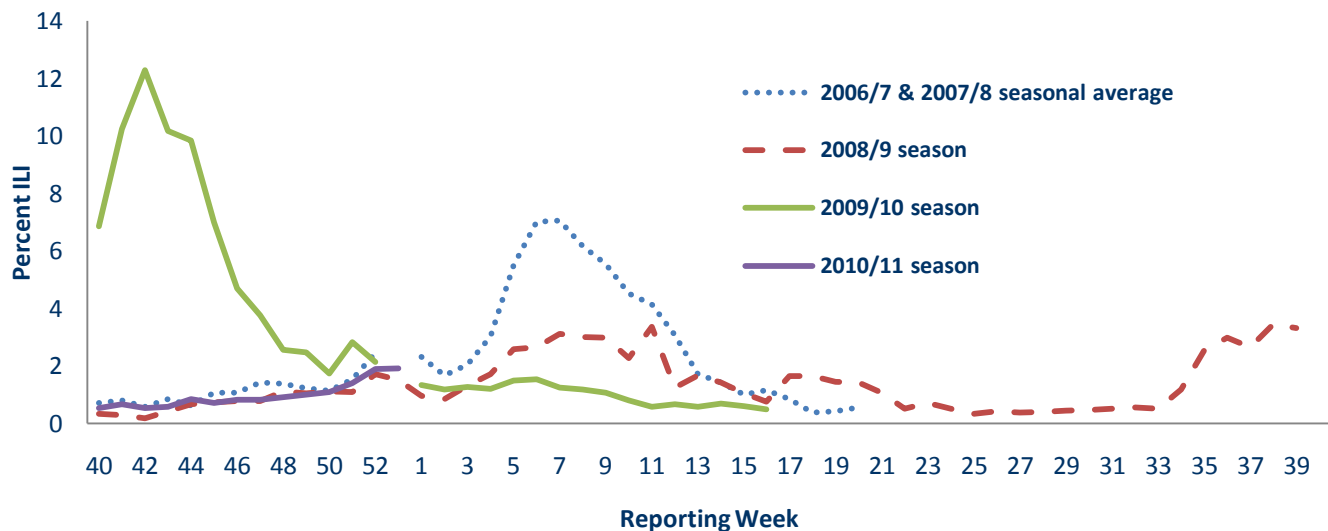
**Percent of patients who presented at an emergency department (ED) with a chief complaint relating to influenza-like illness – Indiana, 20010/11 & 2009/10, 2008/9 seasons, 2006/7 & 2007/8 seasonal averages.\*† (EDs currently reporting = 97) Health District-level data is available at the end of this report.**



\*Data obtained from the ISDH Public Health Emergency Surveillance System (PHESS). The 2008/9 season had a "Week 53" which the 2006/7 and 2007/8 seasons did not have, explaining the break in the seasonal average line.

† PHESS data is very timely, so the data reported is for the most current week.

**Percent of patients who presented at sentinel provider clinics with symptoms relating to influenza-like illness – Indiana, 2010/2011 data vs. 2009/2010, 2008/09, 2006/7 and 2007/8 influenza seasonal averages.\*† (Number of sentinel provider clinics who reported this week = 21)**



\*Data obtained from the ISDH Sentinel Influenza Surveillance System. No data is available for weeks 21-39 during the 2006/7 and 2007/8 seasons due to decreased reporting during traditionally non-influenza months.

† Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

**Sentinel reported influenza-like illness (ILI) by sentinel type and reporting week – Indiana, 2010/11 season.\***

| Reporting Week | All Reporters %ILI<br>(# of reporters) | Universities %ILI<br>(# of reporters) | Non-Universities %ILI<br>(# of reporters) |
|----------------|--|---------------------------------------|---|
| Week 01        | 1.91(21)                               | .00 (4)                               | 2.02 (17)                                 |
| Week 52        | 1.89(27)                               | .00 (5)                               | 1.91 (22)                                 |
| Week 51        | 1.41 (30)                              | .89 (7)                               | 1.42 (23)                                 |

\*Data obtained from the ISDH Sentinel Influenza Surveillance System. This data is subject to change as sentinel sites can back-date their weekly reports. The previous 2 weeks from the reporting week are update in each weekly report to reflect updated data.

**Sentinel reported influenza-like illness (ILI) by age category for the most current week reported – Indiana, 2010-11 season.\*†**

| Age category<br>(yrs) | Total number<br>with ILI | Percent<br>with ILI |
|-----------------------|--------------------------|---------------------|
|-----------------------|--------------------------|---------------------|

|              |            |              |
|--------------|------------|--------------|
| <b>0–4</b>   | 17         | 16%          |
| <b>5 –24</b> | 44         | 42%          |
| <b>25–49</b> | 31         | 30%          |
| <b>50–64</b> | 10         | 10%          |
| <b>65+</b>   | 2          | 2%           |
| <b>Total</b> | <b>104</b> | <b>100.0</b> |

*\*Data obtained from the ISDH Sentinel Influenza Surveillance System.*

*\*Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.*

| Reporting Week | ED Surveillance (%ILI) | Sentinel Surveillance (%ILI) |
|----------------|------------------------|------------------------------|
| Week 01        | 1.9                    | 1.91                         |
| Week 52        | 2.13                   | 1.89                         |
| Week 51        | 1.75                   | 1.41                         |

**Weekly data are updated as information is received**

**Number of new deaths associated with laboratory confirmed influenza, by age category – Indiana, October 2, 2010-present\***

| This week's numbers                        |                    |              | Numbers since October 2, 2010 |                                    |
|--|--------------------|--------------|-------------------------------|------------------------------------|
| Number of deaths associated with influenza | Age category (yrs) | Total number | Age category (yrs)            | Total number (2009 A/H1N1pdm case) |
|  | 0-4                | 0 (0)        | 0-4                           | 0 (0)                              |
|  | 5-18               | 0 (0)        | 5-18                          | 0 (0)                              |
|  | 19-24              | 0 (0)        | 19-24                         | 0 (0)                              |
|  | 25-49              | 0 (0)        | 25-49                         | 0 (0)                              |
|  | 50-64              | 0 (0)        | 50-64                         | 1 (0)                              |
|  | 65+                | 0 (0)        | 65+                           | 1 (0)                              |
|  | Unknown            | 0 (0)        | Unknown                       | 0 (0)                              |
|  | <b>Total</b>       | <b>0 (0)</b> | <b>Total</b>                  | <b>2 (0)</b>                       |

**ISDH Laboratory data regarding circulating influenza viruses – Indiana, 2010/11 influenza season.\***

| PCR Result | This week's total |                               | 2011 total |                               | Total since September 1, 2010 |                               |
|------------|-------------------|-------------------------------|------------|-------------------------------|-------------------------------|-------------------------------|
|            | Number            | Percent of specimens received | Number     | Percent of specimens received | Number                        | Percent of specimens received |

|                               |           |             |           |             |           |             |
|-------------------------------|-----------|-------------|-----------|-------------|-----------|-------------|
| 2009 A/H1N1pdm virus          | 3         | 25%         | 3         | 25%         | 5         | 5.2%        |
| Influenza A/H3 seasonal virus | 5         | 41.7%       | 5         | 41.7%       | 9         | 9.3%        |
| Influenza A/H1 seasonal virus | 0         | 0%          | 0         | 0%          | 0         | 0%          |
| Influenza B seasonal virus    | 2         | 16.7%       | 2         | 16.7%       | 5         | 5.2%        |
| Influenza negative            | 2         | 16.7%       | 2         | 16.7%       | 70        | 72.2%       |
| Inconclusive                  | 0         | 0%          | 0         | 0%          | 0         | 0%          |
| Unsatisfactory specimen†      | 0         | 0%          | 0         | 0%          | 8         | 8.2%        |
| <b>Total</b>                  | <b>12</b> | <b>100%</b> | <b>12</b> | <b>100%</b> | <b>97</b> | <b>100%</b> |

\*Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.

†Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

#### 2009 H1N1pdm-positive samples by age group – Indiana, 2010/11 influenza season.\*

|                                 |                    | This week's numbers |                      | 2011 totals  |                      | Since September 1, 2010 |                      |
|---------------------------------|--------------------|---------------------|----------------------|--------------|----------------------|-------------------------|----------------------|
|                                 | Age category (yrs) | Total number        | Percent by age group | Total number | Percent by age group | Total number            | Percent by age group |
| 2009 H1N1pdm-positive specimens | 0-4                | 1                   | 33.3%                | 1            | 33.3%                | 1                       | 20%                  |
|                                 | 5-18               | 1                   | 33.3%                | 1            | 33.3%                | 3                       | 60%                  |
|                                 | 19-24              | 0                   | 0%                   | 0            | 0%                   | 0                       | 0%                   |
|                                 | 25-49              | 0                   | 0%                   | 0            | 0%                   | 0                       | 0%                   |
|                                 | 50-64              | 0                   | 33.3%                | 1            | 33.3%                | 1                       | 20%                  |
|                                 | 65+                | 0                   | 0%                   | 0            | 0%                   | 0                       | 0%                   |
|                                 | Unknown            | 0                   | 0%                   | 0            | 0%                   | 0                       | 0%                   |
|                                 | <b>Total</b>       | <b>3</b>            | <b>100%</b>          | <b>3</b>     | <b>100%</b>          | <b>5</b>                | <b>100%</b>          |

\*Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.

#### OTHER CIRCULATING VIRUSES RECENTLY IDENTIFIED BY THE ISDH LABORATORY:

| Other Respiratory Viruses | This Week | 2011 Total | Total Since Sept. 1 |
|---------------------------|-----------|------------|---------------------|
| Adenovirus                | 0         | 0          | 2                   |
| Coxsackie B Virus         | 0         | 0          | 1                   |
| Echovirus                 | 0         | 0          | 0                   |
| Enterovirus NOS           | 0         | 0          | 0                   |
| Parainfluenza 1 Virus     | 0         | 0          | 0                   |
| Parainfluenza 2 Virus     | 0         | 0          | 1                   |
| Parainfluenza 3 Virus     | 0         | 0          | 3                   |
| Rhinovirus                | 0         | 0          | 0                   |
| <b>Total</b>              | <b>0</b>  | <b>0</b>   | <b>7</b>            |